

# ABSTRACT

The invention is a filter device for removing water from sludges, slurries, or other suspensions, and may include a hydraulic press and/or a membrane and vacuum system for applying a pressure to the sludge or slurry, heating elements for heating and drying the sludge or slurry, vibrating elements for agitating the sludge or slurry, and air injectors for agitating and drying the sludge or slurry.

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